

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY OF  
**TOWNSHIP 41 SOUTH, RANGE 21 EAST,**

AND

THE DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY OF  
**TOWNSHIP 42 SOUTH, RANGE 21 EAST,**

AND

THE DEPENDENT RESURVEY OF A PORTION OF THE EAST AND WEST BOUNDARIES,

A PORTION OF THE SUBDIVISIONAL LINES,

A PORTION OF THE SUBDIVISION OF SECTIONS 11, 12, AND 14,

AND

THE SURVEY OF A PORTION OF THE WEST BOUNDARY,

THE SURVEY OF THE SOUTH BOUNDARY,

THE SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,

AND

THE SURVEY OF THE MEANDERS OF THE  
RIGHT AND LEFT BANKS OF THE SAN JUAN RIVER,

IN

**TOWNSHIP 41 SOUTH, RANGE 20 EAST,**

OF THE SALT LAKE MERIDIAN  
IN THE STATE OF UTAH

EXECUTED BY

**Scott A. Burkhardt**  
**Cadastral Surveyor**

Under special instructions dated and approved **October 20, 2008**, which provided for the surveys included under Group Number **1100**, Utah, and assignment instructions dated **October 20, 2008**.

Survey Commenced, **November 4, 2008**  
Survey Completed, **April 14, 2009**

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## TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

The following field notes describe the dependent resurvey of a portion of the west boundary of T. 41 S., R. 21 E., the dependent resurvey of a portion of the west boundary of T. 42 S., R. 21 E., the dependent resurvey of a portion of the east and west boundaries, a portion of the subdivisional lines, and a portion of the subdivision of sections 11, 12, and 14, and the survey of a portion of the west boundary, the survey of the south boundary, the survey of a portion of the subdivisional lines, and the survey of the meanders of the right and left banks of the San Juan River, of T. 41 S., R. 20 E., Salt Lake Meridian, Utah.

## HISTORY OF SURVEYS

	Surveyed by		Retr. or Resurveyed by
<b>SOUTH BOUNDARY</b>			
All	Unsurveyed		
<b>EAST BOUNDARY</b>			
Portion	C.F. Moore & R.C. Yundt	1929	
Portion	A. Nelson & R.C. Yundt	1953	
<b>WEST BOUNDARY</b>			
Portion	E.E. Miller	1909	
<b>NORTH BOUNDARY (Eight Standard Parallel South)</b>			
Portion	A.D. Ferron	1884	
Portion			H.D. Page & J.M. Lentz 1899
All	E.E. Miller	1909	E.E. Miller 1909
All	C.F. Moore & R.C. Yundt	1924	C.F. Moore & R.C. Yundt 1924
<b>SUBDIVISION</b>			
Portion	C.F. Moore & R.C. Yundt	1929	
Portion			G.E. Reynolds 1986
Meanders of the right bank of the San Juan River by C.F. Moore & R.C. Yundt in 1929, with a portion resurveyed by G.E. Reynolds in 1986.			

TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 2009, and the Special Instructions for Group No. 1100, Utah, dated October 20, 2008.

The direction of the lines was determined by references to true meridians, established by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the Standards and Guidelines for Cadastral Surveys Using Global Positioning System Methods, dated May 9, 2001, Version 1.0. Trimble model 5800 GPS receivers were used for field collection. Cadastral Automated Plat Drafting (CAPD) software was the primary software utilized for the project calculations.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Aerial photography (2006 NAIP footage) was used, in conjunction with ground measurements, to meander the San Juan River for the 2009 survey of the right and left banks. Meander corner positions were verified on the ground with GPS measurements. Unless otherwise noted, no evidence of the 1929 meander corners were found.

Cadastral Control Network was derived from GPS static observations, post processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS): FRED FREDONIA CORS ARP, P012 MONTICELLOUT2006 CORS ARP, and P028 CHACONHP\_NM2005 CORS ARP.

The geographic position for the corner of sections 1, 2, 11, and 12, T. 41 S., R. 20 E., as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: 37°14'38.941" N.,  
Longitude: 109°40'25.742" W., N.A.D. 83,  
Network Accuracy = 0.660 meter at 95% confidence

The geographic position of the corner of sections 16, 17, 20, and 21, T. 41 S., R. 20 E., as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: 37°12'54.802" N.,  
Longitude: 109°43'41.433" W., N.A.D. 83,  
Network Accuracy = 0.660 meter at 95% confidence

All monuments set in this survey and resurvey bears the Navajo Nation seal, unless otherwise noted.

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 21 EAST, SALT LAKE MERIDIAN, UTAH.

Dependent Resurvey of a Portion of the West Boundary,  
 Township 41 South, Range 21 East, Salt Lake Meridian, Utah.

Reestablishment of the Survey Executed by  
 C.F. Moore & R.C. Yundt in 1929.

Beginning at the corner of sections 1, 6, 7, and 12, on the east boundary of T. 41 S., R. 20 E., monumented with an iron post, 2 inches diameter, firmly set, projecting 3 inches above ground, with a witness mound of stone, 3 ft. diameter, embedded, west of corner, with brass cap (GLO) marked as described in the official record of the 1929 survey.

Set a steel fence post north of corner.

S.  $0^{\circ}00.3'$  W., between sections 7 and 12.

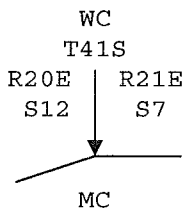
- 24.989 The witness corner to the meander corner for sections 7 and 12, monumented with an iron post, 1 inch diameter, firmly set, projecting 13 inches above a mound of stone, 3 ft. diameter base, 15 inches high, with brass cap (GLO) marked as described in the official record of the 1929 survey.

Set a steel fence post north of corner, in a mound of stone, 2 ft. base, 1 1/2 ft. high.

Corner now functions as a witness point. Added the marks WP 2009 to brass cap. Access by boat only.

- 31.622 Point selected for the witness corner to the meander corner for sections 7 and 12.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in ground, with magnet at the base, with brass cap marked:



Corner is located in the floodplain of the San Juan River, on the right bank, in cottonwood and Russian olive trees.

- 33.097 True point for the meander corner of sections 7 and 12, on the right bank of the San Juan River. Point falls in location subject to erosion.

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,  
 CHAINS TOWNSHIP 42 SOUTH, RANGE 21 EAST, SALT LAKE MERIDIAN, UTAH.

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Dependent Resurvey of a Portion of the West Boundary,  
 Township 42 South, Range 21 East, Salt Lake Meridian, Utah.

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Reestablishment of the Survey Executed by  
 A. Nelson & R.C. Yundt in 1953.

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From the 1/4 section corner of section 6 only, T. 42 S., R. 21 E., monumented with an iron post, 2 1/2 inches diameter, firmly set, buried 8 inches below ground, with brass cap (GLO) marked as described in the official record of the 1953 survey.

Set a steel fence post north of corner.

N. 0°00.2' E., on the west boundary of section 6, T. 42 S., R. 21 E.

31.955 Point for the closing corner of section 1, T. 42 S., R. 20 E., and section 36, T. 41 S., R. 20 E., at the same latitude as the SW corner of section 31, T. 41 S., R. 20 E., hereinafter described.

39.985 The corner of Tps. 41 and 42 S., R. 21 E., monumented with an iron post, 2 1/2 inches diameter, firmly set, buried 7 inches below ground, with brass cap (GLO) marked as described in the official record of the 1953 survey.

Set a steel fence post west of corner.

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Dependent Resurvey of a Portion of the East Boundary,  
 Township 41 South, Range 20 East, Salt Lake Meridian, Utah.

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Reestablishment of the Survey Executed by  
 A. Nelson & R.C. Yundt in 1953.

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From the corner of Tps. 41 and 42 S., R. 21 E., hereinbefore described.

N. 0°00.9' W., on the west boundary of section 31, T. 41 S., R. 21 E.

31.970 Point for the 1/4 section corner of section 36 only, T. 41 S., R. 20 E., at 40 chains distance, northerly from the closing corner, at the southeast corner of section 36.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

	T41S	
R20E		R21E
1/4 S36		
	2008	

Set steel fence post north of corner.

Corner located in rolling, sandy hills, with scattered desert grass.

- 39.989 The 1/4 section corner of section 31 only, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 13 inches above ground, in a mound of stone, 3 feet diameter, 1 foot high, with brass cap (BLM) marked as described in the official record of the 1953 survey.

---

N. 0°00.6' W., beginning new measurement.

- 31.981 Point for the corner of sections 25 and 36 only, T. 41 S., R. 20 E., at 80 chains distance, northerly from the closing corner, at the southeast corner of section 36.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with magnet at the base, with brass cap marked:

	T41S	
R20E		R21E
S 25		
		S 31
S 36		
	2008	

Set a steel fence post north of corner.

Corner is located in rolling, sandy hills, with scattered desert brush.

- 39.966 Point for the corner of sections 30 and 31 only, at proportionate distance; there is no remaining evidence of the original corner.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at base, with brass cap marked:

	T41S	
R20E		R21E
		S 30
S25		
		S 31
	2008	

Set a steel fence post north of corner.



DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

Corner is located in sandy, gently rolling topography, with exposed sandstone outcrops and scattered desert brush.

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N. 0°00.6' W., on the west boundary of section 30, T. 41 S., R. 21 E.

- 32.015 Point for the 1/4 section corner of section 25 only, T. 41 S., R. 20 E., at 40 chains distance, northerly from the southeast corner of section 25.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

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      T41S
    R20E | R21E
      1/4 S25 |
            |
          2008
  
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- 39.965 The 1/4 section corner of section 30 only, determined from a mound of stone, 3 ft. base, 2 ft high; there are no remains of the iron post or memorial described in the official record of the 1953 survey.

At the corner point (center of the mound of stone)

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, on bedrock, with magnet at the base, in a mound of stone, 4 ft. base to top of brass cap marked:

```

      T41S
    R20E | R21E
            |
          1/4 S30
            |
          2008
  
```

Set a witness post north of corner.

Corner is located in gently rolling topography, with sand dunes and exposed sandstone outcrops and scattered desert brush.

---

N. 0°00.4' W., beginning new measurement.

- 32.050 Point for the corner of sections 24 and 25 only, T. 41 S., R. 20 E., at 80 chains distance, northerly from the southeast corner of section 25.

Set a brass tablet, 3 1/4 inch diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,  
*CHAINS*      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

T41S	
R20E	R21E
S24	
S25	S30

2008

Set a steel fence post northwest of corner.

Corner is located in gently rolling, exposed sandstone bedrock, with no vegetation.

- 39.990** The corner of sections 19 and 30 only, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 5 inches above a mound of stone, 2 ft. base, 1 ft. high, with brass cap marked:

T41S	
S 19	
S 30	
R21E	

1953

**Note:** 1953 Record, an iron rod, 12 inches long, 5/8 inches diameter, 8 inches in bedrock, with bedrock marked 4 grooves on north, 2 grooves on south.

Rebuilt mound of stone, 2 1/2 ft base, to top of brass cap.

Set a steel fence post east of corner.

**N. 0°00.8' W.,** on the west boundary of section 19, T. 41 S., R. 21 E.

- 32.060** Point for the 1/4 section corner of section 24 only, T. 41 S., R. 20 E., at 40 chains distance, northerly from the southeast corner of section 24.

Set a brass tablet, 3 1/4 inch diameter, with a 3 1/2 inch stem, flush with exposed sandstone rock, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

T41S	
R20E	R21E
1/4 S24	

2008

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

Raise a mound of stone, 2 ft. diameter, 1 ft. high, east of corner.

Corner is located in gently rolling sandstone, with no vegetation.

- 39.983 The 1/4 section corner of section 19 only, monumented with an iron rod, 5/8 inches diameter, projecting 6 inches above sandstone bedrock, with bedrock marked 1/4 to east; with a mound of stone, 2 ft. base, 6 inches high, east of corner.

Corner is located in gently rolling sandstone bedrock topography.

---

N. 0°00.8' W., beginning new measurement.

- 32.077 Point for the corner of sections 13 and 24 only, T. 41 S., R. 20 E., at 80 chains distance, northerly from the southeast corner of section 24.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground to bedrock, with a magnet at the base, in a mound of stone, 2 1/2 ft. base to top of brass cap marked:

T41S	
R20E	R21E
S 13	S19
S 24	
2008	

Set a steel fence post north of corner.

Corner is located on moderately-steep, rocky, northwest-facing slope, with scattered desert brush.

- 39.957 Point for the corner of sections 18 and 19 only, at proportionate distance; there is no remaining evidence of the original corner.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

T41S	
R20E	R21E
S13	S18
	S19
2008	

Set a steel fence post north of corner.

Corner is located on a sand and cobble spur, surrounded by

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

sandstone cliffs, extending north. Edge of spur bears west,  
 0.150 chains distance.

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N. 0°00.8' W., on the west boundary of section 18, T. 41 S., R.  
 21 E.

- 32.120 Point for the 1/4 section corner of section 13 only, T. 41 S., R.  
 20 E., at 40 chains distance, northerly from southeast corner of  
 section 13.

Set a brass tablet, 3 1/4 inch diameter, with a 3 1/2 inch stem,  
 flush with sandstone, in cement bond, into a drill hole on solid  
 rock, with magnet at the base, marked:

	T41S	
R20E		R21E
1/4 S13		
	2008	

Raise a mound of stone, 2 ft. base, 1 foot high, west of corner,  
 with a steel fence post at center of mound of stone.

Corner is located on a moderately steep, east facing sandstone  
 outcrop.

- 39.956 The 1/4 section corner of section 18 only, monumented with an  
 iron rod, 5/8 inches diameter, projecting 6 inches above  
 sandstone bedrock, with no remaining evidence of marking on  
 bedrock, witnessed by a mound of stone, 2 foot diameter base, 1  
 foot high, east of corner.

Rebuild mound of stone, 3 ft. base, 1 1/2 ft. high.

Add the marks 1/4 to bedrock, east of corner.

---

N. 0°00.8' W., beginning new measurement.

- 32.164 Point for the corner of sections 12 and 13 only, T. 41 S., R. 20  
 E., at 80 chains distance, northerly from the southeast corner of  
 section 13.

Set a stainless steel post, 30 inches long, 2 1/2 inches  
 diameter, 27 inches in the ground, with magnet at the base, with  
 brass cap marked:

	T41S	
R20E		R21E
S 12		
—		S18
S 13		
	2008	

Set a steel fence post north of corner.

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,  
CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

Corner is located on a fairly level bench, 50 ft. above the floodplain of the San Juan River.

- 40.000** Point for the corner of sections 7 and 18 only, at proportionate distance; there is no remaining evidence of the original corner.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in ground, with magnet at the base, with brass cap marked:

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      T41S
R20E | R21E
      | S 7
S12  |-----
      | S 18
      | 2008

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Set a steel fence post north of corner.

Corner is located on a sandy, fairly level floodplain, on the left side of San Juan River.

**N. 0°00.8' W.**, on the west boundary of section 7, T. 41 S., R. 21 E.

- 32.164** Point for the 1/4 section corner of section 12 only, T. 41 S., R. 20 E., at 40 chains distance, northerly from the southeast corner of section 12.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with magnet at the base, with brass cap marked:

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      T41S
R20E | R21E
      |
1/4 S12 |
      | 2009

```

Set steel fence post north of corner.

Corner located in thick tamarisk and Russian olive trees, on the left bank of the San Juan River.

This corner also functions as the witness corner to the meander corner for sections 7 and 12 on the left bank of the San Juan River.

- 32.423** True point for the meander corner of sections 7 and 12, on the left bank of the San Juan River. No remains of original meander corner from 1953 survey. Falls in location subject to erosion.

From this point, the true point for the meander corner of sections 7 and 12, on the right bank of the San Juan River, bears

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.  
 N. 55°33.5' E., 11.389 chains distance.

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Dependent Resurvey of a Portion of the West Boundary,  
 Township 41 South, Range 20 East, Salt Lake Meridian, Utah.

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Reestablishment of the Survey Executed by E.E. Miller in 1909.

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From the 1/4 section corner of sections 19 and 24, monumented with an iron post, 1 inch diameter, firmly set, projecting 3 inches above a mound of stone, 2 ft. base, 6 inches high, with brass cap (GLO) marked as described in the official record of the 1909 survey; with a mound of stone, 4 ft. base, 24 inches high, west of corner.

Set a steel fence post north of corner.

**SOUTH**, between sections 19 and 24, on the west boundary of the township.

- 35.030** Point for the original 1909 meander corner, at record bearing and distance; there is no remaining evidence of the original corner, not monumented.
- 

Dependent Resurvey of a Portion of the Subdivisional Lines,  
 Township 41 South, Range 20 East, Salt Lake Meridian, Utah.

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Reestablishment of the Survey Executed by C.F. Moore & R.C. Yundt in 1929, and the Resurvey Executed by G.E. Reynolds in 1986.

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From the corner of sections 11, 12, 13, and 14, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, flush with ground, with aluminum cap (BLM) marked as described in the official record of the 1986 resurvey.

Set a steel fence post west of corner.

**S. 0°01.4' E.**, between sections 13 and 14.

- 5.528** The witness corner to the meander corner for sections 13 and 14, on the right bank of the San Juan River, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, flush with ground, with aluminum cap marked as described in the official record of the 1986 resurvey.

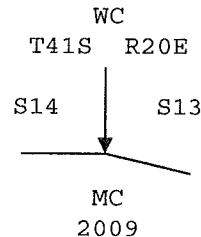
This monument now functions as a witness point on the section line between sections 13 and 14. Add marks WP 2009 to aluminum cap.

Set a steel fence post north of corner.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

- 16.283 Point selected for the witness corner to the meander corner for sections 13 and 14, on the right bank of the San Juan River.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in ground, with magnet at the base, with brass cap marked:



Set a steel fence post north of corner.

Corner is located in the floodplain of the San Juan River, in sandy ground, in heavy tamarisk and Russian olive trees.

- 18.671 True point for the meander corner of sections 13 and 14, on the right bank of the San Juan River. Falls in location subject to erosion.

From the corner of sections 11, 12, 13, and 14.

S. 89°57.9' E., between sections 12 and 13.

- 7.155 The witness corner to the meander corner for sections 12 and 13 on the right bank of the San Juan River, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, projecting 11 above ground, with aluminum cap marked as described in the official record of the 1986 resurvey.

Set a steel fence post north of corner.

- 7.275 True point for the meander corner of sections 13 and 14 on the right bank of the San Juan River. Falls in location subject to erosion.

From the corner of sections 11, 12, 13, and 14.

N. 0°04.2' E., between sections 11 and 12.

- 19.974 The S 1/16 section corner of sections 11 and 12, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, projecting 4 inches, with aluminum cap (BLM) marked as described in the official record of the 1986 resurvey.

Corner located on west side of primitive dirt road.

N. 0°04.2' E., beginning new measurement.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

- 19.984 The 1/4 section corner of sections 11 and 12, monumented with an iron post, 1 inch diameter, firmly set, projecting 4 inches above ground, with brass cap (GLO) marked as described in the official record of the 1986 resurvey.

Set a steel fence post west of corner, in a mound of stone, 2 1/2 ft. base, 2 ft. high.

---

N. 0°00.7' E., beginning new measurement.

- 19.992 The N 1/16 section corner of sections 11 and 12, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, 1 inch below ground, with aluminum cap (BLM) marked as described in the official record of the 1986 resurvey.

Corner located on west side of primitive dirt road.

---

N. 0°01.3' E., beginning new measurement.

- 19.990 The corner of sections 1, 2, 11, and 12, monumented with an iron post, 2 inches diameter, firmly set, projecting 12 inches above ground, with brass cap (GLO) marked as described in the official record of the 1929 survey.

Set a steel fence post north of corner.

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Reestablishment of the Survey Executed by  
 C.F. Moore and R.C. Yundt in 1929.

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From the corner of sections 1, 6, 7, and 12, on the east boundary of the township.

S. 89°58.8' W., between sections 1 and 12.

- 39.980 The 1/4 section corner of sections 1 and 12, monumented with an iron post, 1 inch diameter, firmly set in sandstone outcrop, projecting 5 inches above rock, with brass cap (GLO) marked as described in the official record of the 1929 survey.
- 

S. 89°58.6' W., beginning new measurement.

- 39.954 The corner of sections 1, 2, 11, and 12.
- 

From the corner of sections 10, 11, 14, and 15, monumented with an iron post, 2 inches diameter, firmly set in sandstone outcrop, projecting 3 inches above sandstone, with brass cap (GLO) marked as described in the official record of the 1929 survey.

from which



DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

A juniper, 5 inches diameter, bears S. 44°14.3' E, 2.678 chains distance, marked BT. (Record: 3 inches diameter, S. 44° E., 2.68 chains distance)

A juniper, 6 inches diameter, bears S. 42°47.2' W, 1.819 chains distance, marked BT. (Record: 3 inches diameter, S. 42° W., 1.80 chains distance)

A juniper, 5 inches diameter, bears N. 57°44.4' W, 0.541 chains distance, marked BT. (Record: 3 inches diameter, N. 58°15' W., 0.54 chain distance)

No remains of NE bearing tree.

Corner located on east-sloping sandstone on San Juan Hill, east of the Emigrant Trail.

S. 0°02.3' E., between sections 14 and 15.

- 39.988 The 1/4 section corner of sections 14 and 15, monumented with an iron post, 1 inch diameter, firmly set, projecting 7 inches above ground, with brass cap (GLO) marked as described in the official record of the 1929 survey.

Set a steel fence post north of corner.

---

S. 0°03.7' E., beginning new measurement.

- 10.987 The witness corner to the meander corner for sections 14 and 15, on the right bank of the San Juan River, monumented with an iron post, 1 inch diameter, firmly set, projecting 8 inches above ground, with brass cap (GLO) marked as described in the official record of the 1929 survey.

Corner now functions as the witness corner to the meander corner of the 2009 meander of the right bank of the San Juan River. Add marks "2009" to cap.

- 19.576 True point for the meander corner of sections 14 and 15, on the right bank of the San Juan River. Falls in location subject to erosion.

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Reestablishment of the Survey Executed by C.F. Moore and R.C. Yundt in 1929 and the Resurvey Executed by G.E. Reynolds in 1986.

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From the corner of sections 11, 12, 13, and 14.

N. 89°50.0' W., between sections 11 and 14.

- 19.912 The E 1/16 section corner of sections 11 and 14, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, projecting 2 inches above ground, in a supportive mound of stone, 5 ft. to 2 ft. diameter, with aluminum cap (BLM) marked as described in the

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.  
 official record of the 1986 resurvey.

Set a steel fence post west of corner.

---

N. 89°48.6' W., beginning new measurement.

- 19.913 The 1/4 section corner of sections 11 and 14, monumented with an iron post, 1 inch diameter, firmly set in sandstone outcrop, projecting 3 inches above rock, with brass cap (GLO) marked as described in the official record of the 1986 resurvey.

Raise a mound of stone, 2 ft. base, 2 ft. high, south of corner, with a steel fence post at center of mound.

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Reestablishment of the Survey Executed by  
 C.F. Moore and R.C. Yundt in 1929.

---

N. 89°49.3' W., beginning new measurement.

- 39.962 The corner of sections 10, 11, 14, and 15.

---

From the 1/4 section corner of sections 15 and 16, monumented with an iron post, 1 inch diameter, firmly set, projecting 8 inches above ground, in an embedded collar of stone, 2 ft. diameter, with a witness mound of stone, 3 ft. diameter base, 2 ft. high, west of corner, with brass cap (GLO) marked as described in the official record of the 1929 survey.

Set a steel fence post east of corner.

S. 0°02.0' E., between sections 15 and 16.

- 19.020 The witness corner to the meander corner for sections 15 and 16 on the right bank of the San Juan River, monumented with an iron post, 1 inch diameter, firmly set, flush in a mound of stone, 3 ft. diameter, 6 inches high, with brass cap (GLO) marked as described in the official record of the 1929 survey.

Set a steel fence post north of corner.

This corner now functions as a witness point on the section line between sections 15 and 16. Add the marks WP 2009 to brass cap.

- 39.980 Point for the corner of sections 15, 16, 21, and 22, determined by bearing/bearing intersection. This point fell in the San Juan River in 1929.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in ground, with aluminum cap (BLM) marked:

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

T41S R20E  
 S 16 | S 15  
 S 21 | S 22  
 2009

Set a steel fence post north of corner.

Corner is located on fairly level ground, in brush and cottonwood trees.

From the 1/4 section corner of sections 15 and 16.

N. 0°00.4' W., between sections 15 and 16.

- 39.707 The witness corner to the corner of sections 9, 10, 15, and 16, monumented with an iron post, 2 inches diameter, firmly set, flush in a mound of stone, 3 ft. base, 16 inches high, with brass cap (GLO) marked as described in the official record of the 1929 survey.

Corner is located in rugged badlands topography, at the edge of a steep drop off to the east. Foot access only.

- 39.927 True point for the corner of sections 9, 10, 15, and 16.

From the corner of sections 10, 11, 14, and 15.

S. 89°56.3' W., between sections 10 and 15.

- 39.933 True point for the 1/4 section corner of sections 10 and 15. Point falls in Comb Wash, subject to erosion.

- 45.153 The witness corner to the 1/4 section corner of sections 10 and 15, monumented with an iron post, 1 inch diameter, firmly set, flush in a mound of stone, 2 ft. base, 14 inches high, with brass cap (GLO) marked as described in the official record of the 1929 survey.

Corner located on top of the right bank of Comb Wash.

S. 89°55.3' W., beginning new measurement.

- 34.689 The true point for the corner of sections 9, 10, 15 and 16.

From the corner of sections 15, 16, 21, and 22.

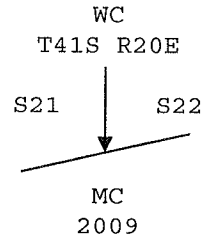
S. 0°02.0' E., between sections 21 and 22.

- 1.402 Point selected for the witness corner to the meander corner for sections 21 and 22, on the right bank of the San Juan River.

Set a stainless steel post, 30 inches long, 2 1/2 inches

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

diameter, 26 inches in ground, with magnet at the base, with brass cap marked:



Set a steel fence post north of corner.

Corner located on right bank of San Juan River, in tamarisk and Russian olive trees.

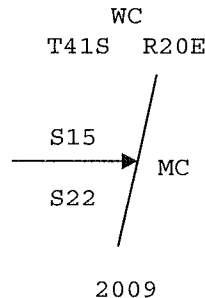
- 1.693 True point for the meander corner of sections 21 and 22, on the right bank of the San Juan River. Falls in location subject to erosion.

From the corner of sections 15, 16, 21, and 22.

S.  $89^{\circ}58.7'$  E., between sections 15 and 22.

- 2.294 Point selected for the witness corner to the meander corner for sections 15 and 22, on the right bank of the San Juan River.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in ground, with magnet at the base, with brass cap marked:



Set a steel fence post north of corner.

Corner located on right bank of San Juan River, in tamarisk and Russian olive trees.

- 2.867 True point for the meander corner of sections 15 and 22, on the right bank of the San Juan River. Falls in location subject to erosion.

From the corner of sections 20, 21, 28, and 29, monumented with an iron post, 2 inches diameter, firmly set, projecting 10 inches

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
**CHAINS** TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

above ground, with brass cap (GLO) marked as described in the official record of the 1929 survey; with a mound of stone, 5 ft. base, 3 ft. high, west of corner.

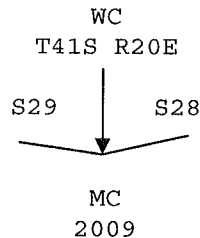
Set a steel fence post west of corner.

S.  $0^{\circ}02.7'$  W., between sections 28 and 29.

**39.986** The  $1/4$  section corner of sections 28 and 29, monumented with an iron post, 1 inch diameter, firmly set, projecting 2 inches above an embedded mound of stone, 2 ft. diameter base, 6 inches high, with brass cap (GLO) marked as described in the official record of the 1929 survey; with a mound of stone,  $2\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of corner.

**50.742** True point for the meander corner of sections 28 and 29, on the right bank of the San Juan River. Point falls in location subject to erosion.

From which, an offline witness corner bears N.  $1^{\circ}32.6'$  W., 0.935 **chains** distance, monumented with a stainless steel post, 30 inches long,  $2\frac{1}{2}$  inches diameter, 24 inches in ground, with a magnet at the base, in a collar of stone, 3 ft. diameter, with brass cap marked:



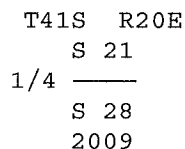
Corner is located on right bank of San Juan River, on a sandy bench, at base of steep, south-facing slope.

From the corner of sections 20, 21, 28, and 29.

N.  $89^{\circ}58.0'$  E., between sections 21 and 28.

**40.000** Point for the  $1/4$  section corner of sections 21 and 28, at record bearing from the 1929 survey. This point fell in the San Juan River in 1929.

Set a stainless steel post, 30 inches long,  $2\frac{1}{2}$  inches diameter, 27 inches in ground, with magnet at the base, with brass cap marked:



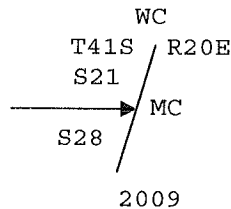
Corner is located on the right bank of the San Juan River, on a

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

sandy bench, at the base of sandstone cliffs, in cottonwood trees.

- 49.409 Point for the meander corner of sections 21 and 28, on the right bank of the San Juan River. There is no remaining evidence of the 1929 meander corner. Falls in location subject to erosion.

From which, an offline witness corner bears **S. 87°13.4' W., 4.357 chains** distance, monumented with a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in ground, with magnet at the base, with brass cap marked:



Corner located on right bank of San Juan River, in sandy ground, with cottonwood trees.

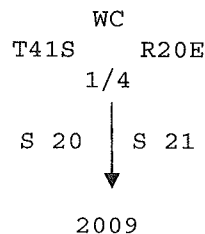
From the corner of sections 20, 21, 28, and 29.

**N. 0°02.5' E.,** between sections 20 and 21.

- 39.979 True point for the 1/4 section corner of sections 20 and 21, at proportionate distance; there is no remaining evidence of the original corner. Point falls in a narrow wash subject to erosion.

- 40.479 Point selected for the witness corner to the 1/4 section corner of sections 20 and 21.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 15 inches in the ground, with magnet at the base, in a mound of stone, 4 ft. base to top of aluminum cap (BLM) marked:



Set steel fence post north of corner.

Corner is located on the north side of a drainage, 30 feet wide, course east.

- 79.958 The corner of sections 16, 17, 20, and 21, monumented with an iron post, 2 inches diameter, firmly set, projecting 10 inches above a mound of stone, 4 ft. base, 3 ft. high, with brass cap (GLO) marked as described in the official record of the 1929

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

survey.

Set a steel fence post north of corner.

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From the 1/4 section corner of sections 16 and 21, monumented with an iron post, 1 inch diameter, firmly set, projecting 14 inches above ground, with brass cap (GLO) marked as described in the official record of the 1929 survey.

Raise a mound of stone, 3 feet diameter, 2 feet high, west of corner, with a witness post.

N. 89°55.3' W., between sections 16 and 21.

39.978 The corner of sections 16, 17, 20, and 21.

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From the 1/4 section corner of sections 16 and 21.

S. 89°58.7' E., between sections 16 and 21.

19.164 The witness corner to the meander corner for sections 16 and 21, on the right bank of the San Juan River, monumented with an iron post, 1 inch diameter, firmly set, projecting 3 inches above a mound of stone, 3 ft. base, 1 ft. high, with brass cap (GLO) marked as described in the official record of the 1929 survey; with a mound of stone, 3 ft. base, 1 ft. high, west of corner.

This point now functions as a witness point on the section line between sections 16 and 21. Add the marks WP 2009 to brass cap.

40.222 The corner of sections 15, 16, 21, and 22.

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Dependent Resurvey of a Portion of the Subdivision of Section 11,  
Township 41 South, Range 20 East, Salt Lake Meridian, Utah.

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Reestablishment of the Survey Executed by  
G.E. Reynolds in 1986.

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From the 1/4 section corner of sections 11 and 14.

N. 0°03.4' W., along the N-S centerline of section 11.

19.988 The center S 1/16 section corner of section 11, monumented with an iron post, 1 inch diameter, firmly set in bedrock, projecting 4 inches above rock, with brass cap (GLO) marked as described in the official record of the 1986 resurvey; with a steel fence post and a mound of stone, 2 ft. base, 2 ft. high, north of corner.

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From the S 1/16 section corner of sections 11 and 12.

N. 89°48.1' W., on the E-W centerline of the SE 1/4 of section 11.

39.868 The center S 1/16 section corner of section 11.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISION OF SECTION 12,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

Dependent Resurvey of a Portion of the Subdivision of Section 12,  
 Township 41 South, Range 20 East, Salt Lake Meridian, Utah.

Reestablishment of the Survey Executed by  
 G.E. Reynolds in 1986.

From the 1/4 section corner of sections 1 and 12.

S. 0°01.5' W., along the N-S centerline of section 12.

- 40.101 The center 1/4 section corner of section 12, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, projecting 5 inches above ground, with aluminum cap (BLM) marked as described in the official record of the 1986 resurvey.

Corner located at mouth of Butler Wash, on sandy terrace.

- 44.075 Point for the special meander corner of section 12, on the right bank of the San Juan River, not monumented.

From the 1/4 section corner of sections 11 and 12.

N. 89°59.7' E., along the E-W centerline of section 12.

- 19.982 The center W 1/16 section corner of section 12, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, projecting 6 inches above ground, with aluminum cap (BLM) marked as described in the official record of the 1986 resurvey, with a witness mound of stone, 2 ft. base, 1 ft. high, north of corner.

Set a steel fence post north of corner.

S. 89°42.2' E., beginning new measurement.

- 19.975 The center 1/4 section corner of section 12.

From the S 1/16 section corner of sections 11 and 12.

S. 89°59.5' E., on the E-W centerline of the SW 1/4 of section 12.

- 9.996 True point for the center W-SW 1/64 section corner of section 12, at proportionate distance. Point falls on inaccessible cliff face.
- 18.996 The witness corner to the special meander corner of section 12, monumented with an aluminum post, 2 1/2 inches diameter, firmly set flush with ground, with aluminum cap (BLM) marked as described in the official record of the 1986 resurvey.



DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISION OF SECTION 12,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

Corner located near the Butler Wash petroglyph panel. No steel fence post here.

- 19.900 True point for the special meander corner of section 12, on the right bank of the San Juan River. Location subject to erosion.

From the true point for the center W-SW 1/64 section corner of section 12.

S. 0°08.3' W., along the N-S centerline of the SW 1/4 of the SW 1/4 of section 12.

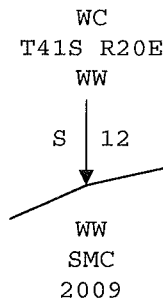
- 1.997 The witness corner to the center W-SW 1/64 section corner of section 12, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, projecting 5 inches above ground, with aluminum cap (BLM) marked as described in the official record of the 1986 resurvey; with a mound of stone, 3 ft. base, 2 ft. high, west of corner, and a steel fence post north of corner.

From corner, a fence, 4 strand barbed wire, extending south, bears east, 4 links distance.

S. 0°04.5' E., beginning new measurement.

- 12.104 Point selected for the witness corner to the special meander corner of section 12. There is no remaining evidence from the 1986 survey.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in ground, with magnet at the base, with brass cap marked:



Set a steel fence post north of corner.

Corner is located on the right bank of the San Juan River, in tamarisk and Russian olive trees.

- 12.651 True point for the special meander corner of section 12, on the right bank of the San Juan River, determined by distance-distance intersection, from the meander corner between sections 12 and 13 and the witness corner to the north. Point falls in location subject to erosion.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISION OF SECTION 14,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

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Dependent Resurvey of a Portion of the Subdivision of Section 14,  
 Township 41 South, Range 20 East, Salt Lake Meridian, Utah.

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Reestablishment of the Survey Executed  
 by G.E. Reynolds in 1986.

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From the 1/4 section corner of sections 11 and 14.

S. 0°01.3' E., along the N-S centerline of section 14.

- 20.000 The center N 1/16 section corner of section 14, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, projecting 1 inch above ground, with aluminum cap (BLM) marked as described in the official record of the 1986 survey; with a mound of stone, 2 ft. base, and steel fence post, east of corner.
- 

S. 89°48.6' E., along the E-W centerline of the NE 1/4 of section 14.

- 19.914 Point for the NE 1/16 section corner of section 14, determined by distance/distance intersection. There is no remaining evidence from the 1986 survey.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 28 inches in ground, with magnet at the base, with aluminum cap marked:

T41S R20E  
 NE 1/16 S 14  
 2009

Set a steel fence post north of corner.

Corner located in sandy ground, in tamarisk and Russian olive trees.

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N. 0°01.4' W., along the N-S centerline of the NE 1/4 of section 14.

- 20.000 The E 1/16 section corner of sections 11 and 14.
- 

Survey of a Portion of the West Boundary,  
 Township 41 South, Range 20 East, Salt Lake Meridian, Utah.

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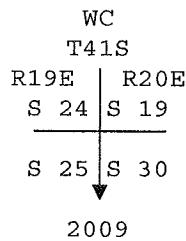
From the point for the original 1909 meander corner, between sections 19 and 24, on the west boundary of the township, hereinbefore described.

SURVEY OF A PORTION OF THE WEST BOUNDARY,  
CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

**SOUTH**, between sections 19 and 24.

- 0.896** Point selected for the witness corner to the corner of sections 19, 24, 25, and 30.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 18 inches in ground to bedrock, with magnet at the base, in a mound of stone, 4 ft. base to top of brass cap marked:



Corner is located on a rocky slope, on the right bank of the San Juan River. True point falls in the San Juan River. Boat access only, in narrow canyon, with high, vertical cliffs.

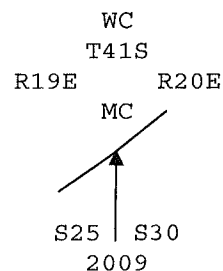
This point also functions as the witness corner to the meander corner for sections 19 and 24, on the right bank of the San Juan River.

- 1.118** True point for the meander corner of sections 19 and 24, on the right bank of the San Juan River. Point falls in area subject to erosion.
- 4.970** True point for the section corner of sections 19, 24, 25, and 30. Point falls in the San Juan River. This point fell in the San Juan River in 1909, and was never monumented.

**SOUTH**, between sections 25 and 30, on the west boundary of the township.

- 4.478** True point for the meander corner of sections 25 and 30, on the left bank of the San Juan River. Point falls in area subject to erosion.
- 5.310** Point selected for the witness corner to the meander corner for sections 25 and 30, on the left bank of the San Juan River.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground to bedrock, with magnet at the base, in a mound of stone, 3 ft. base to top of brass cap marked:



SURVEY OF A PORTION OF THE WEST BOUNDARY,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

Corner located on sandy bank, on the left side of San Juan River.

**40.000** Point for the 1/4 section corner of sections 25 and 30.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 25 inches in the ground to bedrock, with magnet at the base, with brass cap marked:

T41S  
 R19E      R20E  
           1/4  
       S 25 | S 30  
           2008

Set a steel fence post north of corner.

Corner is located on a fairly level mesa top, with scattered grass.

**77.662** Point selected for the witness corner to the corner of sections 25, 30, 31, and 36.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 14 inches in the ground, with magnet at the base, in a mound of stone, 4 ft. base to top of brass cap marked:

WC  
 T41S  
 R19E      R20E  
       S 25 | S 30  
       S 36 | S 31  
       ↓  
       2009

Corner is located on the left bank of the San Juan River, in rocky ground.

This corner also functions as the witness corner to the meander corner for sections 25 and 30, on the left bank of the San Juan River.

**79.279** True point for the meander corner of sections 25 and 30, on the left bank of the San Juan River. Point falls in area subject to erosion.

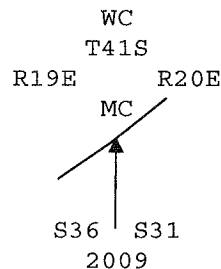
**80.000** True point for the corner of sections 25, 30, 31, and 36. Point falls in the San Juan River.

**SOUTH**, between sections 31 and 36, on the west boundary of the township.

SURVEY OF A PORTION OF THE WEST BOUNDARY,  
CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

- 10.946** True point for the meander corner of sections 31 and 36, on the left bank of the San Juan River. Point falls in area subject to erosion.
- 13.950** Point selected for the witness corner to the meander corner for sections 31 and 36, on the left bank of the San Juan River.

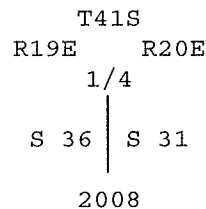
Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, on bedrock, with magnet at the base, in a mound of stone, 5 ft. base to top of brass cap marked:



Corner located on the left bank of San Juan River, in rocky ground. Extremely steep walls and narrow canyon; boat access only for this location.

- 40.000** Point for the 1/4 section corner of sections 31 and 36.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 5 inches in the ground to bedrock, with magnet at the base, in a mound of stone, 4 ft. base to top of brass cap marked:



Set a steel fence post north of corner.

Corner is located on fairly level limestone mesa top, with scattered desert brush.

- 80.000** Point for the corner of sections 1, 6, 31, and 36, Tps. 41 and 42 S., Rs. 19 and 20 E.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 13 inches in the ground to bedrock, with magnet at the base, in a mound of stone, 4 ft. base to top of brass cap marked:

SURVEY OF A PORTION OF THE WEST BOUNDARY,  
 CHAINS TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

T41S	
R19E	R20E
S36	S31
<hr/>	
S1	S6

T42S  
2009

Set a steel fence post north of corner.

Corner is located on moderately-steep, west-facing slope, 30 ft. below mesa top, with steeply dropping topography and limestone cliffs to the west.

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Survey of the South Boundary,  
 Township 41 South, Range 20 East, Salt Lake Meridian, Utah.

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From the corner of Tps. 41 and 42 S., Rs. 19 and 20 E., hereinbefore described.

**EAST**, on the south boundary of section 31, T. 41 S., R. 20 E.

**40.000** Point for the 1/4 section corner of sections 31 only.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 2 inches in the ground to bedrock, with magnet at the base, in a mound of stone, 4 ft. base to top of brass cap marked:

T41S	R20E
1/4	S 31
<hr/>	

T42S  
2008

Set a steel fence post north of corner.

Corner is located in a rocky wash, draining to the east.

**80.000** Point for the corner of sections 31 and 32 only.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, on a rocky ledge, with magnet at the base, in a mound of stone, 4 ft. base, to top of brass cap marked:

T41S	R20E
S 31	S 32
<hr/>	

T42S  
2008

Set a steel fence post north of corner.

Corner is located on a moderately-steep, south-facing rocky

SURVEY OF THE SOUTH BOUNDARY,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.  
 ledge, 15 ft. above valley.

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**EAST**, on the south boundary of section 32.

**40.000** Point for the 1/4 section corner of section 32 only.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 3 inches in the ground to bedrock, with magnet at the base, in a mound of stone, 4 ft. base to top of aluminum(BLM)cap marked:

T41S	R20E
1/4	S 32

---

T42S  
2008

Corner is located on moderately-steep, east-facing sandstone shelf, in rocky ground with scattered desert brush.

**80.000** Point for the corner of sections 32 and 33 only.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 18 inches in ground, with a magnet at the base, in a mound of stone, 4 ft. base to top of aluminum (BLM) cap marked:

T41S	R20E
S 32	S 33

---

T42S  
2008

Corner is located in a broad, open wash.

---

**EAST**, on the south boundary of section 33.

**40.000** Point for the 1/4 section corner of section 33 only.

Set a brass tablet, 3 1/4 inch diameter, 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

T41S	R20E
1/4	S33

---

T42S  
2008

Corner is located on high sandstone mesa top, accessible by foot only.

**80.000** Point for the corner of sections 33 and 34 only.

Set a brass tablet, 3 1/4 inch diameter, 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock,

SURVEY OF THE SOUTH BOUNDARY,  
**CHAINS**      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.  
 with magnet at the base, marked:

T41S R20E	
S33	S34
T42S 2008	

Corner is located in a small drainage with an easterly course.

---

**EAST**, on the south boundary of section 34.

**40.000** Point for the 1/4 section corner of section 34 only.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in ground, with magnet at the base, with aluminum (BLM) cap marked:

T41S R20E	
1/4	S 34
T42S 2008	

Corner is located on a sandy shelf, on the right bank of Chinle Wash.

**80.000** Point for the corner of sections 34 and 35 only.

Set a brass tablet, 3 1/4 inch diameter, 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

T41S R20E	
S34	S35
T42S 2008	

Raise a mound of stone, 1 1/2 ft. base, 1 ft. high, north of corner.

Corner is located on a fairly level, sandstone mesa top.

---

**EAST**, on the south boundary of section 35.

**40.000** Point for the 1/4 section corner of section 35 only.

Set a brass tablet, 3 1/4 inch diameter, 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:



SURVEY OF THE SOUTH BOUNDARY,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

T41S   R20E  
1/4   S 35

T42S  
 2008

Raise a mound of stone, 2 ft. base, 1 ft. high, north of corner.

Corner is located on a fairly level mesa top, with scattered desert brush, with areas of exposed sandstone bedrock.

**80.000** Point for the corner of sections 35 and 36 only.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

T41S   R20E  
       |  
S35   |   S36  
  
 T42S  
 2008

Set a steel fence post north of corner.

Corner is located in rolling, sandy hills.

**EAST**, on the south boundary of section 36.

**40.000** Point for the 1/4 section corner of section 36 only.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

T41S   R20E  
1/4   S36  
  
 T42S  
 2008

Set a steel fence post north of corner.

Corner is located in rolling, sandy hills.

**70.973** The closing corner of section 1 and 36, on the east boundary of the township, hereinbefore described.

Survey of a Portion of the Subdivisional Lines,  
 Township 41 South, Range 20 East, Salt Lake Meridian, Utah.

From the corner of sections 35 and 36 only, on the south boundary

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
**CHAINS**      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.  
 of the township, hereinbefore described.

**N. 0°03.2' E.**, between sections 35 and 36.

**40.000** Point for the 1/4 section corner of sections 35 and 36.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

T41S R20E	
1/4	
S 35	S 36
2008	

Set a steel fence post north of corner.

Corner is located in gently rolling, sandy hills, with scattered desert brush.

**80.000** Point for the corner of sections 25, 26, 35, and 36.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with magnet at the base, with brass cap marked:

T41S R20E	
S 26	S 25
S 35	S 36
2008	

Set a steel fence post south of corner.

Corner is located on fairly level and open ground, with scattered desert brush, north of a waterline.

From the corner of sections 25 and 36 only, on the east boundary, hereinbefore described.

**WEST**, between sections 25 and 36.

**30.868** Point for the 1/4 section corner of sections 25 and 36.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with magnet at the base, with brass cap marked:

T41S R20E	
S25	
1/4	_____
S36	
2008	

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

Set a steel fence post west of corner.

Corner is located on the east edge of a gravel road extending north and south, centerline bears West, 0.303 chain distance.

70.868 The corner of sections 25, 26, 35, and 36.

---

N. 0°03.2' E., between sections 25 and 26.

40.000 Point for the 1/4 section corner of sections 25 and 26.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

T41S R20E	
1/4	
S 26	S 25
2008	

Set a steel fence post north of corner.

Corner is located in rolling, sandy hills.

80.000 Point for the corner of sections 23, 24, 25, and 26.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at base, with brass cap marked:

T41S R20E	
S 23	S 24
S 26	S 25
2008	

Set a steel fence post north of corner.

Corner is located in gentle, rolling, sandy hills, with black brush and scattered grass.

---

From the corner of sections 24 and 25 only, on the east boundary of the township, hereinbefore described.

WEST, between sections 24 and 25.

30.766 Point for the 1/4 section corner of sections 24 and 25.

Set a brass tablet, 3 1/4 inch diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

T41S R20E  
 S24  
 1/4 —————  
 S25  
 2008

Raise a mound of stone, 2 ft. base, 1 ft. high, north of corner.

Corner is located on fairly level sandstone bedrock, with no vegetation.

70.766 The corner of sections 23, 24, 25, and 26.

N. 0°03.2' E., between sections 23 and 24.

40.000 Point for the 1/4 section corner of sections 23 and 24.

Set a brass tablet, 3 1/4 inch diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

T41S R20E  
 1/4  
 S 23 | S 24  
 2008

Set a steel fence post southwest of corner.

Corner is located on gently rolling, exposed sandstone bedrock, with no vegetation.

80.000 Point for the corner of sections 13, 14, 23, and 24.

Set a brass tablet, 3 1/4 inch diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

T41S R20E  
 S 14 | S 13  
 S 23 | S 24  
 2008

Raise a mound of stone, 2 ft. base, 2 ft. high, north of corner.

Corner is located on gently northwest-sloping sandstone bedrock, with scattered cobbles on surface.

From the corner of sections 13 and 24 only, on the east boundary of the township, hereinbefore described.

WEST, between sections 13 and 24.

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

**30.659** Point for the 1/4 section corner of sections 13 and 24.

Set a brass tablet, 3 1/4 inches diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

T41S R20E  
 S13  
 1/4 —————  
 S24  
 2008

Set a steel fence post southwest of corner.

Corner is located on gently southeast-sloping sandstone bedrock, with no vegetation.

**70.659** The corner of sections 13, 14, 23, and 24.

N. 0°03.2' E., between sections 13 and 14.

**40.000** True point for the 1/4 section corner of sections 13 and 14; point falls on inaccessible sandstone cliff, impracticable to monument.

From which an offline witness corner bears S. 26°14.7' E., 3.549 chains distance, monumented with a brass tablet, 3 1/4 inches diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, marked:

WC  
 T41S R20E  
 1/4  
 ↙  
 S 14 | S 13  
 2008

Raise a mound of stone, 2 ft. base, 2 ft. high, north of corner.

Corner is located on top of sandstone cliff, approximately 200 feet above the floodplain of the San Juan River.

**42.669** Point selected for the witness corner to the meander corner for sections 13 and 14, on the left bank of the San Juan River.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

WC  
 T41S R20E  
 MC  
 ————  
 S14 | S13  
 2009

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

Set a steel fence post north of corner.

Corner is located on the left bank of the San Juan River, in thick tamarisk, Russian olive trees, and cottonwood trees.

- 43.692** True point for the meander corner of sections 13 and 14, on the left bank of the San Juan River. Location falls in area subject to erosion.

From this point, the true point for the meander corner of sections 13 and 14, on the right bank of the San Juan River, bears N. 0°06.6' W., 17.459 chains distance.

From the corner of sections 12 and 13 only, on the east boundary of the township, hereinbefore described.

**WEST**, between sections 12 and 13.

- 30.553** Point for the 1/4 section corner of sections 12 and 13.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

T41S R20E  
 S12  
 1/4 —————  
 S13  
 2009

Set a steel fence post north of corner.

Corner is located on a fairly level floodplain, on the left bank of the San Juan River, in cottonwood trees and grass.

- 57.603** Point selected for the witness corner to the meander corner for sections 12 and 13, on the left bank of the San Juan River.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with magnet at the base, with brass cap marked:

WC  
 T41S R20E  
 MC      S12  
 ←  
 S13  
 2009

Corner is located on sand and cobble ground, in tamarisk and cottonwoods.

- 59.396** True point for the meander corner of sections 12 and 13, on the

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
**CHAINS**      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

left bank of the San Juan River. Location subject to erosion.

From this point, the true point for the meander corner of sections 12 and 13, on the right bank of the San Juan River, bears S. 87°23.9' W., 3.961 chains distance.

---

From the corner of sections 34 and 35 only, on the south boundary of the township, hereinbefore described.

**N. 0°02.6' E.**, between sections 34 and 35.

**40.000** Point for the 1/4 section corner of sections 34 and 35.

Set a brass tablet, 3 1/4 inches diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

T41S R20E	
1/4	
S 34	S 35
2008	

Raise a mound of stone, 1 1/2 ft. base, 1 ft. high, north of corner.

Corner is located in gently rolling, exposed sandstone bedrock, with no vegetation.

**80.000** Point for the corner of sections 26, 27, 34, and 35.

Set a brass tablet, 3 1/4 inches diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

T41S R20E	
S 27	S 26
S 34	S 35
2008	

Raise a mound of stone, 2 feet diameter base, 2 feet high, north of corner.

Corner is located in gently rolling, exposed sandstone bedrock, with no vegetation.

---

From the corner of sections 25, 26, 35, and 36.

**WEST**, between sections 26 and 35.

**40.000** Point for the 1/4 section corner of sections 26 and 35.

Set a stainless steel post, 30 inches long, 2 1/2 inches

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
**CHAINS**      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

diameter, 27 inches in ground, with magnet at the base, with brass cap marked:

T41S R20E  
           S26  
 1/4 —————  
           S35  
           2008

Set a steel fence post alongside corner.

Corner is located on a sandy, north-facing slope.

**80.000** The corner of sections 26, 27, 34, and 35.

---

**N. 0°02.6' E.,** between sections 26 and 27.

**40.000** Point for the 1/4 section corner of sections 26 and 27.

Set a brass tablet, 3 1/4 inches diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

T41S R20E  
           1/4  
           |  
 S 27 | S 26  
           |  
           2008

Raise a mound of stone, 2 ft. base, 2 ft. high, north of corner.

Corner is located on east-sloping sandstone bedrock.

**80.000** Point for the corner of sections 22, 23, 26, and 27.

Set a brass tablet, 3 1/4 inches diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

T41S R20E  
 S 22 | S 23  
 S 27 | S 26  
           2008

Raise a mound of stone, 2 feet diameter base, 1 foot high, north of corner.

Corner is located on gently rolling, southeast-sloping sandstone bedrock, with no vegetation.

---

From the corner of sections 23, 24, 25, and 26.

**WEST,** between sections 23 and 26.



SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
**CHAINS**      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

- 39.284** Point selected for the witness corner to the 1/4 section corner of sections 23 and 26.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with magnet at the base, in a mound of stone, 4 ft. base to top of brass cap marked:

WC  
 T41S R20E  
 S23  
 1/4 ←  
 S26  
 2009

Corner is located on the north side of a wash, course N. 60° W., near the bottom of a deep canyon.

- 40.000** True point for the 1/4 section corner of sections 23 and 26; point falls on unstable steep bank, and is impracticable to establish a permanent monument.
- 80.000** The corner of sections 22, 23, 26, and 27.

N. 0°02.6' E., between sections 22 and 23.

- 40.000** Point for the 1/4 section corner of sections 22 and 23.

Set a brass tablet, 3 1/4 inches diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

T41S R20E  
 1/4  
 S 22 | S 23  
 2008

Set a steel fence post west of corner.

Corner is located on a fairly level sandstone outcrop, surrounded by rolling sandy hills.

- 80.000** Point for the corner of sections 14, 15, 22, and 23.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 25 inches in the ground, in a collar of stone, 2 ft. diameter, with magnet at the base, with aluminum (BLM) cap marked:

T41S R20E  
S 15 | S 14  
S 22 | S 23  
 2008

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

Corner is located on a fairly level, cobblestone bench, south of the San Juan River.

---

From the corner of sections 13, 14, 23, and 24.

WEST, between sections 14 and 23.

40.000 Point for the 1/4 section corner of sections 14 and 23.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

T41S R20E  
           S 14  
 1/4 —————  
           S 23  
           2008

Set a steel fence post north of corner.

Corner is located on a gentle, northeast-facing slope, with scattered desert brush.

80.000 The corner of sections 14, 15, 22, and 23.

---

N. 0°02.6' E., between sections 14 and 15.

14.974 Point selected for the witness corner to the meander corner for sections 14 and 15, on the left bank of the San Juan River.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with magnet at the base, with brass cap marked:

WC  
 T41S R20E  
 MC  
 \_\_\_\_\_  
           ↑  
 S15      S14  
           2009

Corner is located on left bank of the San Juan River, in large sagebrush and cottonwood trees. Boat access only to this corner.

16.717 True point for the meander corner of sections 14 and 15, on the left bank of the San Juan River. Location subject to erosion.

From this point, the true point for the meander corner of sections 14 and 15, on the right bank of the San Juan River, bears N. 3°30.1' E., 3.800 chains distance.

---

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
**CHAINS**      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

From the corner of sections 33 and 34 only, on the south boundary of the township, hereinbefore described.

**N. 0°01.9' E.**, between sections 33 and 34.

**40.000** Point for the 1/4 section corner of sections 33 and 34.

Set a brass tablet, 3 1/4 inches diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, with magnet at the base, marked:

T41S R20E	
1/4	
S 33	S 34
2008	

Raise a mound of stone, 1 1/2 ft. base, 1 ft. high, north of corner.

Corner is located on the east edge of a fairly level mesa top of exposed sandstone bedrock.

**80.000** Point for the corner of sections 27, 28, 33, and 34.

Set an aluminum post, 28 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap (BLM) marked:

T41S R20E	
S 28	S 27
S 33	S 34
2008	

Raise a mound of stone, 1 1/2 ft. base, 1 ft. high, north of corner.

Corner is located on a gently rolling mesa top, accessible by foot only.

From the corner of sections 26, 27, 34, and 35.

**WEST**, between sections 27 and 34.

**40.000** Point for the 1/4 section corner of sections 27 and 34.

Set a brass tablet, 3 1/4 inches diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, marked:

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

T41S R20E  
           S27  
 1/4 ———  
           S34  
           2008

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, north of corner.

Corner is located on a sandstone bench.

80.000 The corner of sections 27, 28, 33, and 34.

---

N. 0°01.9' E., between sections 27 and 28.

40.000 Point for the 1/4 section corner of sections 27 and 28.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

T41S R20E  
           1/4  
           |  
 S 28 | S 27  
           |  
           2008

Set a steel fence post north of corner.

Corner is located on a fairly level, sandy bench, with scattered desert brush.

80.000 Point for the corner of sections 21, 22, 27, and 28.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

T41S R20E  
 S 21 | S 22  
 S 28 | S 27  
           2008

Set a steel fence post north of corner.

Corner is located on a fairly level floodplain, north of the right bank of Chinle Wash.

---

From the corner of sections 22, 23, 26, and 27.

WEST, between sections 22 and 27.

40.000 Point for the 1/4 section corner of sections 22 and 27.

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

T41S R20E  
 S22  
 1/4 —————  
 S27  
 2008

Set a steel fence post north of corner.

Corner is located on the right bank of Chinle Wash, in thin vegetation.

80.000 The corner of sections 21, 22, 27, and 28.

---

N. 0°01.9' E., between sections 21 and 22.

40.000 Point for the 1/4 section corner of sections 21 and 22.

Set a brass tablet, 3 1/4 inches diameter, with a 3 1/2 inch stem, flush with sandstone, in cement bond, into a drill hole on solid rock, marked:

T41S R20E  
 1/4  
 S 21 | S 22  
 2008

Raise a mound of stone, 3 ft. base, 2 ft. high, east of corner, with a steel fence post at the center of mound of stone.

64.479 Point selected for the witness corner to the meander corner for sections 21 and 22, on the left bank of the San Juan River.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with magnet at the base, with brass cap marked:

WC  
 T41S R20E  
 MC  
 S21 | S22  
 2009

Corner is located on the floodplain, on the left bank of the San Juan River, in tamarisk and sagebrush.

69.178 True point for the meander corner of sections 21 and 22, on the left bank of the San Juan River. Location subject to erosion.

From the corner of sections 32 and 33 only, on the south boundary of the township, hereinbefore described.

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.  
 N. 0°01.3' E., between sections 32 and 33.

**40.000** Point for the 1/4 section corner of sections 32 and 33.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with magnet at the base, in a collar of stone, 3 ft. diameter, with aluminum cap (BLM) marked:

T41S R20E	
1/4	
S 32	S 33
2008	

Raise a mound of stone, 2 ft. base, 2 ft. high, north of corner.

Corner is located on top of Mule Ear diatrema, on rocky ground. Accessible by foot only.

**80.000** Point for the corner of sections 28, 29, 32, and 33.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 12 inches in the ground to bedrock, with magnet at the base, in a mound of stone, 4 ft. base to top of brass cap marked:

T41S R20E	
S 29	S 28
S 32	S 33
2008	

Corner is located in steep, broken ground, on a moderately-steep, south-facing sandstone bedrock slope.

From the corner of sections 27, 28, 33, and 34.

**WEST**, between sections 28 and 33.

**40.000** Point for the 1/4 section corner of sections 28 and 33.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at base, with brass cap marked:

T41S R20E	
S28	
1/4	_____
S33	
2008	

Set a steel fence post north of corner.

Corner is located on a sandy bench.

**80.000** The corner of sections 28, 29, 32, and 33.

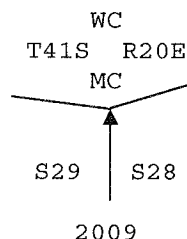
SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

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N. 0°01.3' E., between sections 28 and 29.

- 25.650 True point for the meander corner of sections 28 and 29, on the left bank of the San Juan River. Location subject to erosion.

From which, an offline witness corner bears S. 9°27.8' E., 0.454 chain distance, monumented with a stainless steel post, 30 inches long, 2 1/2 inches diameter, 21 inches in the ground, with magnet at the base, in a mound of stone, 3 ft. base to top of brass cap marked:



Corner is located on a rocky slope, on the left bank of the San Juan River.

From this point, the true point for the meander corner of sections 28 and 29, on the right bank of the San Juan River, bears N. 1°45.8' E., 3.792 chains distance.

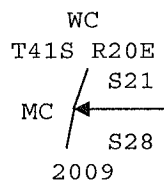
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From the corner of sections 21, 22, 27, and 28.

WEST, between sections 21 and 28.

- 23.449 Point selected for the witness corner to the meander corner for sections 21 and 28, on the left bank of the San Juan River.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with magnet at base, with brass cap marked:



Corner is located on the left bank of the San Juan River, in cottonwood and tamarisk trees.

- 26.312 True point for the meander corner of sections 21 and 28, on the left bank of the San Juan River. Location subject to flooding.

From this point, the true point for the meander corner of sections 21 and 28, on the right bank of the San Juan River,



SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
**CHAINS**      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.  
 bears N. 87°05.0' W., 4.148 chains distance.

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From the corner of sections 31 and 32 only, on the south boundary of the township, hereinbefore described.

**N. 0°00.6' E.**, between sections 31 and 32.

**40.000** Point for the 1/4 section corner of sections 31 and 32.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 22 inches in the ground, with magnet at the base, in a mound of stone, 3 ft. base to top of brass cap marked:

T41S R20E	
1/4	
S 31	S 32
2008	

Set a steel fence post north of corner.

Corner is located on a moderately-steep, north-facing slope, in broken, rocky ground.

**80.000** Point for the corner of sections 29, 30, 31, and 32.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 2 inches in the ground to bedrock, with magnet at the base, in a mound of stone, 4 ft. base to top of brass cap marked:

T41S R20E	
S 30	S 29
S 31	S 32
2008	

Set a steel fence post north of corner.

Corner is located on a gentle, east-sloping mesa top, on exposed limestone bedrock, with scattered grass and blackbrush.

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From the corner of sections 28, 29, 32, and 33.

**WEST**, between sections 29 and 32.

**40.000** Point for the 1/4 section corner of sections 29 and 32.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, on exposed bedrock, with magnet at the base, in a mound of stone, 3 ft. base to top of brass cap marked:

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

T41S R20E  
           S29  
 1/4 —————  
           S32  
           2008

Set a steel fence post north of corner.

Corner is located on a limestone bench, on a west-facing slope, 50 ft. above bottom of deep drainage.

80.000 The corner of sections 29, 30, 31, and 32.

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WEST, between sections 30 and 31.

40.000 Point for the 1/4 section corner of sections 30 and 31.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 26 inches in ground, with magnet at the base, with brass cap marked:

T41S R20E  
           S30  
 1/4 —————  
           S31  
           2008

Set a steel fence post north of corner.

Corner is located on a gentle, south-sloping mesa top, with scattered desert brush.

77.460 Point selected for the witness corner to the meander corner for sections 30 and 31, on the left bank of the San Juan River.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground to bedrock, with magnet at the base, in a mound of stone, 3 ft. base to top of brass cap marked:

WC  
 T41S R20E  
       S30  
 MC ←  
       S31  
       2009

Corner is located above a rock ledge, on the left bank of the San Juan River.

79.701 True point for the meander corner of sections 30 and 31, on the left bank of the San Juan River. Location subject to erosion.

80.000 The true point for the corner of sections 25, 30, 31, and 36, on the west boundary of the township, hereinbefore described.

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SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

From the corner of sections 29, 30, 31, and 32.

N. 0°00.6' E., between sections 29 and 30.

40.000 Point for the 1/4 section corner of sections 29 and 30.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, on bedrock, with magnet at the base, in a mound of stone, 4 ft. base to top of brass cap marked:

T41S R20E  
1/4  
S 30 | S 29  
2008

Set a steel fence post east of corner.

Corner is located on a gentle, east-sloping mesa top, on exposed limestone bedrock, in scattered blackbrush.

80.000 Point for the corner of sections 19, 20, 29, and 30.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 25 inches in the ground, with magnet at the base, in a collar of stone, 3 ft. base to top of with brass cap marked:

T41S R20E  
S 19 | S 20  
S 30 | S 29  
2008

Set a steel fence post north of corner.

Corner is located on a gentle, east-sloping mesa top, with thick black brush.

EAST, between sections 20 and 29.

27.613 Point selected for the witness corner to the meander corner for sections 20 and 29, on the left bank of the San Juan River.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 23 inches in the ground to bedrock, with magnet at the base, in a mound of stone, 3 ft. base to top of with brass cap marked:

WC  
T41S R20E  
S20  
S29  
MC  
2009

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

Corner is located on the left bank of the San Juan River, on a fairly level rocky terrace.

- 29.427** True point for the meander corner of sections 20 and 29, on the left bank of the San Juan River. Location subject to erosion.

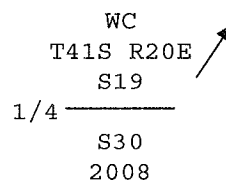
From this point, the meander corner of sections 20 and 29, on the right bank of the San Juan River, bears N. 86°39.7' E., 5.524 chains distance, monumented with an iron post, 1 inch diameter, firmly set, projecting 12 inches above ground, with brass cap (GLO) marked as described in the official record of the 1929 survey.

From the corner of sections 19, 20, 29, and 30.

**WEST**, between sections 19 and 30.

- 40.000** Point for the 1/4 section corner of sections 19 and 30. Point falls on inaccessible vertical cliff south of the San Juan River; unable to set online witness corner within 5 chains distance.

From which, an offline witness corner bears S. 35°59.9' W., 5.453 chains distance, monumented with a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in a crack in limestone bedrock, with magnet at the base, with brass cap marked:

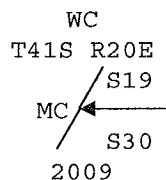


Set a steel fence post northwest of corner.

Corner is located on north edge of mesa, high above San Juan River.

- 77.627** Point selected for the witness corner to the meander corner for sections 19 and 30, on the left bank of the San Juan River.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 18 inches in the ground to bedrock, with magnet at the base, in a mound of stone, 4 ft. base to top of brass cap marked:



Corner is located on sandy and rocky slope, on the left bank of

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

the San Juan River. Boat access only; challenging GPS conditions due to very steep canyon walls.

- 78.615** True point for the meander corner of sections 19 and 30, on the left bank of the San Juan River. Location subject to erosion.
- 80.000** The true point for the corner of sections 19, 24, 25, and 30, on the west boundary of the township, hereinbefore described.
- 

From the corner of sections 19, 20, 29, and 30.

**N. 0°00.6' E.,** between sections 19 and 20.

- 40.000** Point for the 1/4 section corner of sections 19 and 20.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at the base, with brass cap marked:

T41S R20E  
1/4  
S 19 | S 20  
2008

Set a steel fence post north of corner.

Corner is located on a fairly level mesa top, with scattered black brush and grass.

- 74.821** Point selected for the witness corner to the meander corner for sections 19 and 20, on the left bank of the San Juan River.

Set a stainless steel post, 30 inches long, 2 1/2 inches diameter, 25 inches in the ground, with magnet at the base, in a collar of stone, 2 ft. diameter, with brass cap marked:

WC  
T41S R20E  
MC  
S19 | S20  
2009

Corner is located on a sandy hillside, at the base of limestone cliffs to the southwest, above the left bank of the San Juan River.

- 76.239** True point for the meander corner of sections 19 and 20, on the left bank of the San Juan River. Location subject to erosion.

From this point:

The meander corner of sections 17 and 18, on the right bank of

SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
 CHAINS      TOWNSHIP 41 SOUTH, RANGE 20 EAST, SALT LAKE MERIDIAN, UTAH.

the San Juan River, bears N. 5°27.9' E., 4.777 chains distance, monumented with an iron post, 1 inch diameter, firmly set, flush with ground, with brass cap (GLO) marked as described in the official record of the 1929 survey. This point accepted as the location of 2009 meander corner.

From this same point:

The meander corner of sections 17 and 20, on the right bank of the San Juan River, bears N. 27°39.9' E., 4.239 chains distance, monumented with an iron post, 1 inch diameter, firmly set, projecting 12 inches above a mound of stone, 2 feet diameter base, 2 ft. high, with brass cap (GLO) marked as described in the official record of the 1929 survey. This point accepted as the location of 2009 meander corner.

From this same point:

The meander corner of sections 18 and 19, on the right bank of the San Juan River, bears N. 75°47.4' W., 15.246 chains distance, monumented with an iron post, 1 inch diameter, firmly set, projecting 12 inches above ground, with brass cap (GLO) marked as described in the official record of the 1929 survey. This point accepted as the location of 2009 meander corner.

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Survey of the Meanders of the Right Bank of the San Juan River,  
 Through T. 41 S., R. 20 E., Salt Lake Meridian, Utah.

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**Note:** The right bank only of the San Juan River was meandered in 1929 by C.F. Moore & R.C. Yundt, with a portion resurveyed by G.E. Reynolds in 1986. The following meanders are from the 2009 survey and resurvey of T. 41 S., R. 20 E. The position of all meander corners and witness meander corners were occupied on the ground with survey grade GPS. Aerial photography (2006 NAIP footage) was used to meander the San Juan River for meanders connecting the meander corners, for the 2009 survey of the left and right banks.

From the true point for the meander corner of sections 7 and 12, on the East boundary of the township, on the right bank of the San Juan River, hereinbefore described.

Thence, downstream with the meanders of the present right bank of the San Juan River through section 12.

S. 68°39.8' W., 0.668 chs.  
 S. 87°49.9' W., 1.649 chs.  
 S. 78°08.6' W., 2.268 chs.  
 S. 69°19.2' W., 2.950 chs.  
 S. 60°09.7' W., 2.692 chs.  
 S. 65°23.6' W., 1.918 chs.  
 S. 71°48.1' W., 4.318 chs.  
 N. 89°56.9' W., 2.590 chs.  
 S. 63°17.1' W., 1.373 chs.

SURVEY OF THE MEANDERS OF THE RIGHT BANK OF THE SAN JUAN RIVER,  
CHAINS THROUGH T. 41 S., R. 20 E., SALT LAKE MERIDIAN, UTAH.

S. 88°27.6' W., 4.601 chs.  
N. 81°46.0' W., 4.913 chs.  
N. 85°00.3' W., 2.115 chs.  
S. 44°34.4' W., 1.686 chs.  
S. 61°00.0' W., 1.898 chs.  
S. 66°05.7' W., 4.513 chs.  
S. 49°30.8' W., 2.914 chs.

The point for the special meander corner of the N-S centerline of section 12. Not monumented.

S. 49°30.7' W., 3.844 chs.  
N. 85°58.4' W., 2.749 chs.  
S. 64°55.0' W., 1.747 chs.  
S. 27°10.6' W., 1.447 chs.  
S. 57°25.2' W., 2.630 chs.  
S. 39°45.3' W., 5.021 chs.  
S. 50°01.0' W., 3.911 chs.  
S. 35°06.5' W., 1.827 chs.  
S. 49°42.0' W., 3.415 chs.  
S. 46°37.0' W., 0.127 chs.

The true point for the special meander corner of the E-W centerline of the SW 1/4 of section 12.

S. 41°51.9' W., 3.304 chs.  
S. 37°45.6' W., 5.329 chs.  
S. 27°58.7' W., 5.235 chs.  
S. 30°26.4' W., 3.885 chs.

The true point for the special meander corner of the N-S centerline of the SW 1/4 of the SW 1/4 of section 12.

S. 27°21.7' W., 6.000 chs.

The true point for the meander corner of sections 12 and 13.

Thence, in section 13.

S. 24°11.8' W., 4.303 chs.  
S. 16°55.0' W., 7.499 chs.  
S. 21°29.1' W., 6.087 chs.  
S. 29°51.4' W., 2.195 chs.

The true point for the meander corner of sections 13 and 14.

Thence, in section 14.

S. 29°51.4' W., 0.866 chs.  
S. 40°36.5' W., 2.501 chs.  
S. 73°05.2' W., 1.729 chs.  
S. 85°23.4' W., 2.182 chs.  
N. 59°10.8' W., 2.377 chs.  
S. 47°06.5' W., 3.543 chs.  
S. 8°13.9' W., 5.835 chs.  
S. 28°35.1' W., 4.808 chs.  
S. 52°05.1' W., 7.151 chs.  
S. 68°11.6' W., 6.962 chs.

SURVEY OF THE MEANDERS OF THE RIGHT BANK OF THE SAN JUAN RIVER,  
CHAINS THROUGH T. 41 S., R. 20 E., SALT LAKE MERIDIAN, UTAH.

S. 61°54.7' W., 3.788 chs.  
 S. 46°53.6' W., 7.619 chs.  
 S. 75°47.5' W., 2.297 chs.  
 S. 54°41.6' W., 3.765 chs.  
 S. 68°41.2' W., 4.740 chs.  
 S. 62°26.8' W., 5.587 chs.  
 S. 54°45.2' W., 6.336 chs.  
 S. 61°43.8' W., 4.068 chs.  
 S. 70°16.3' W., 1.858 chs.  
 S. 81°13.0' W., 3.167 chs.  
 S. 86°43.6' W., 2.342 chs.  
 N. 86°56.4' W., 4.983 chs.  
 N. 85°17.8' W., 3.758 chs.  
 N. 78°40.9' W., 5.836 chs.

The true point for the meander  
corner of sections 14 and 15.

Thence, in section 15.

N. 76°54.9' W., 7.774 chs.  
 S. 86°15.1' W., 2.891 chs.  
 S. 79°24.2' W., 10.079 chs.  
 S. 58°09.1' W., 2.417 chs.  
 S. 82°19.5' W., 6.683 chs.  
 S. 73°48.1' W., 6.576 chs.  
 S. 67°14.4' W., 5.439 chs.  
 S. 56°03.7' W., 2.811 chs.  
 S. 47°07.0' W., 3.478 chs.  
 S. 33°35.8' W., 2.068 chs.  
 S. 65°26.3' W., 3.366 chs.  
 S. 76°15.8' W., 9.852 chs.  
 N. 85°02.5' W., 6.283 chs.  
 S. 65°36.5' W., 5.054 chs.  
 S. 74°16.6' W., 4.508 chs.  
 S. 55°46.3' W., 3.359 chs.

The true point for the meander  
corner of sections 15 and 22.

Thence, in section 22.

S. 57°26.6' W., 2.558 chs.  
 S. 66°04.3' W., 0.777 chs.

The true point for the meander  
corner of sections 21 and 22.

Thence, in section 21.

S. 64°53.2' W., 6.877 chs.  
 S. 56°57.9' W., 5.076 chs.  
 S. 51°47.1' W., 6.668 chs.  
 S. 45°02.6' W., 2.706 chs.  
 S. 35°33.8' W., 1.855 chs.  
 S. 24°02.5' W., 2.267 chs.  
 S. 6°09.5' W., 1.818 chs.  
 S. 14°40.7' E., 1.255 chs.  
 S. 34°26.0' E., 0.908 chs.



SURVEY OF THE MEANDERS OF THE RIGHT BANK OF THE SAN JUAN RIVER,  
CHAINS THROUGH T. 41 S., R. 20 E., SALT LAKE MERIDIAN, UTAH.

S. 8°23.9' E., 3.012 chs.  
 S. 0°29.2' E., 7.252 chs.  
 S. 1°51.5' W., 14.549 chs.  
 S. 5°41.9' W., 3.466 chs.  
 S. 11°23.8' W., 2.979 chs.  
 S. 24°39.2' W., 3.051 chs.  
 S. 32°49.8' W., 8.662 chs.  
 S. 39°39.7' W., 2.733 chs.  
 S. 18°40.3' W., 2.307 chs.  
 S. 12°02.2' W., 10.541 chs.  
 S. 5°23.3' W., 3.317 chs.

The true point for the meander  
corner of sections 21 and 28.

Thence, in section 28.

S. 7°17.7' W., 0.471 chs.  
 S. 30°20.0' W., 1.527 chs.  
 S. 37°06.1' W., 1.702 chs.  
 S. 59°36.2' W., 2.165 chs.  
 S. 74°00.2' W., 1.744 chs.  
 S. 82°43.9' W., 2.125 chs.  
 S. 58°17.7' W., 3.714 chs.  
 S. 72°19.8' W., 2.336 chs.  
 S. 60°59.1' W., 3.429 chs.  
 S. 27°54.4' W., 7.222 chs.  
 S. 23°20.6' W., 4.761 chs.  
 S. 28°44.3' W., 3.768 chs.  
 S. 21°31.0' W., 6.732 chs.  
 S. 24°14.7' W., 6.115 chs.  
 S. 21°36.0' W., 1.688 chs.  
 S. 28°52.0' W., 2.586 chs.  
 S. 31°47.5' W., 5.925 chs.  
 S. 36°26.5' W., 1.468 chs.  
 S. 44°44.4' W., 4.301 chs.  
 S. 57°16.8' W., 3.237 chs.  
 S. 72°39.2' W., 2.937 chs.  
 S. 89°52.2' W., 2.336 chs.  
 N. 86°11.4' W., 3.610 chs.  
 S. 86°37.8' W., 1.145 chs.

The true point for the meander  
corner of sections 28 and 29.

Thence, in section 29.

S. 84°16.2' W., 2.555 chs.  
 N. 87°10.6' W., 4.463 chs.  
 N. 81°16.3' W., 5.450 chs.  
 N. 46°53.0' W., 6.994 chs.  
 N. 37°23.5' W., 4.479 chs.  
 N. 30°08.6' W., 4.185 chs.  
 N. 21°29.0' W., 4.893 chs.  
 N. 7°58.8' W., 2.106 chs.  
 N. 11°50.5' E., 4.405 chs.  
 N. 26°05.8' E., 4.276 chs.

SURVEY OF THE MEANDERS OF THE RIGHT BANK OF THE SAN JUAN RIVER,  
 CHAINS THROUGH T. 41 S., R. 20 E., SALT LAKE MERIDIAN, UTAH.

N. 25°09.1' E.,	1.883 chs.	
N. 11°16.7' E.,	4.513 chs.	
N. 14°01.5' W.,	4.211 chs.	
N. 34°59.3' W.,	2.114 chs.	
N. 60°18.0' W.,	4.207 chs.	
N. 78°55.8' W.,	4.603 chs.	
N. 88°41.4' W.,	2.402 chs.	
S. 60°01.7' W.,	1.969 chs.	
S. 40°45.4' W.,	5.374 chs.	
S. 25°43.2' W.,	5.222 chs.	
S. 26°57.1' W.,	4.664 chs.	
S. 41°54.1' W.,	2.642 chs.	
S. 58°07.3' W.,	4.156 chs.	
S. 71°17.5' W.,	2.402 chs.	
S. 80°24.3' W.,	6.743 chs.	
N. 78°55.0' W.,	2.281 chs.	
N. 60°47.8' W.,	2.043 chs.	
N. 42°56.6' W.,	3.900 chs.	
N. 30°47.5' W.,	1.669 chs.	
N. 14°11.9' W.,	3.383 chs.	
N. 11°29.1' E.,	3.352 chs.	
N. 16°28.7' E.,	4.329 chs.	
N. 35°31.0' E.,	4.465 chs.	
N. 54°25.3' E.,	2.695 chs.	
N. 64°58.2' E.,	8.258 chs.	
N. 61°44.2' E.,	3.612 chs.	
N. 58°07.6' E.,	2.833 chs.	The meander corner of sections 20 and 29.

Thence, in section 20.

N. 28°50.1' E.,	1.440 chs.	
N. 15°26.5' E.,	3.711 chs.	
N. 2°48.8' W.,	2.000 chs.	
N. 11°35.2' W.,	4.317 chs.	
N. 1°09.5' W.,	3.720 chs.	
N. 4°16.0' W.,	3.131 chs.	
N. 35°07.1' W.,	4.719 chs.	
N. 20°04.0' W.,	2.197 chs.	
N. 32°41.2' W.,	6.149 chs.	
N. 30°48.4' W.,	3.241 chs.	
N. 19°21.5' W.,	3.159 chs.	
N. 25°32.0' W.,	4.206 chs.	
N. 17°40.4' W.,	4.629 chs.	
N. 22°35.3' W.,	8.842 chs.	
N. 27°22.9' W.,	4.326 chs.	
N. 37°48.8' W.,	6.972 chs.	
N. 25°43.9' W.,	7.806 chs.	
N. 33°34.8' W.,	7.333 chs.	
N. 42°40.6' W.,	2.549 chs.	
N. 27°07.3' W.,	3.338 chs.	
N. 13°48.7' W.,	1.230 chs.	The meander corner of sections 17 and 20.

SURVEY OF THE MEANDERS OF THE RIGHT BANK OF THE SAN JUAN RIVER,  
 CHAINS THROUGH T. 41 S., R. 20 E., SALT LAKE MERIDIAN, UTAH.

Thence, in section 17.

N. 56°30.8' W., 1.814 chs.      The meander corner of sections 17  
and 18.

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Thence, in section 18.

N. 61°26.4' W., 3.383 chs.  
 N. 75°11.9' W., 1.606 chs.  
 S. 82°29.2' W., 3.559 chs.  
 S. 53°32.1' W., 1.882 chs.  
 S. 78°19.0' W., 2.018 chs.  
 S. 74°08.3' W., 3.838 chs.      The meander corner of sections 18  
and 19.

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Thence, in section 19.

S. 34°46.1' W., 2.984 chs.  
 S. 27°06.0' W., 1.799 chs.  
 S. 13°20.3' W., 3.866 chs.  
 S. 33°42.8' W., 3.692 chs.  
 S. 20°46.1' W., 5.926 chs.  
 S. 14°47.5' W., 4.772 chs.  
 S. 4°31.8' W., 3.400 chs.  
 S. 4°32.8' E., 3.063 chs.  
 S. 13°54.8' E., 6.219 chs.  
 S. 1°01.7' E., 5.835 chs.  
 S. 6°29.9' E., 3.775 chs.  
 S. 16°56.7' W., 3.663 chs.  
 S. 7°42.1' W., 4.504 chs.  
 S. 20°51.4' W., 4.688 chs.  
 S. 27°32.8' W., 2.568 chs.  
 S. 38°19.4' W., 2.605 chs.  
 S. 49°24.9' W., 4.776 chs.  
 S. 57°21.0' W., 5.029 chs.  
 S. 70°46.2' W., 7.968 chs.  
 S. 86°47.2' W., 6.892 chs.  
 N. 74°22.8' W., 5.306 chs.  
 N. 79°56.2' W., 5.749 chs.  
 S. 85°22.1' W., 6.291 chs.  
 S. 82°42.8' W., 5.844 chs.  
 S. 59°18.2' W., 4.176 chs.  
 S. 36°57.9' W., 4.009 chs.  
 S. 24°08.5' W., 2.240 chs.  
 S. 11°56.9' W., 1.366 chs.      The true point for the meander  
corner of sections 19 and 24, on  
the west boundary of the township,  
on the right bank of the San Juan  
River, hereinbefore described.

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Survey of the Meanders of the Left Bank of the San Juan River,  
 Through T. 41 S., R. 20 E., Salt Lake Meridian, Utah.

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SURVEY OF THE MEANDERS OF THE LEFT BANK OF THE SAN JUAN RIVER,  
 CHAINS THROUGH T. 41 S., R. 20 E., SALT LAKE MERIDIAN, UTAH.

**Note:** The left bank of the San Juan River has not been meandered in this township previous to the current survey. The following meanders are from the 2009 survey and resurvey of T. 41 S., R. 20 E. The position of all meander corners and witness meander corners were occupied on the ground with survey grade GPS. Aerial photography (2006 NAIP footage) was used to meander the San Juan River for meanders connecting the meander corners, for the 2009 survey of the left and right banks.

From the true point for the meander corner of sections 31 and 36, on the west boundary of the township, on the left bank of the San Juan River, hereinbefore described.

Thence, upstream with the meanders of the present left bank of the San Juan River through section 31.

N. 11°41.2' E.,	5.841 chs.	
N. 5°37.2' E.,	4.173 chs.	
N. 54°12.9' W.,	1.489 chs.	
N. 22°32.7' W.,	0.220 chs.	The true point for the meander corner of sections 30 and 31.

Thence, in section 30.

N. 22°32.7' W.,	0.780 chs.	The true point for the meander corner of sections 25 and 30, on the west boundary of the township.
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From the true point for the meander corner of sections 25 and 30, on the west boundary of the township, on the left bank of the San Juan River, hereinbefore described.

Thence, upstream with the meanders of the present left bank of the San Juan River through section 30.

N. 17°11.2' E.,	4.688 chs.	The true point for the meander corner of sections 19 and 30.
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Thence, in section 19.

N. 17°51.5' E.,	5.332 chs.
N. 38°10.8' E.,	4.630 chs.
N. 55°59.0' E.,	2.348 chs.
N. 67°01.2' E.,	2.256 chs.
N. 84°13.7' E.,	2.398 chs.
S. 82°58.1' E.,	2.488 chs.
N. 81°31.5' E.,	2.690 chs.
S. 89°29.6' E.,	5.333 chs.
S. 70°36.0' E.,	5.748 chs.
S. 77°38.2' E.,	1.691 chs.
N. 88°10.0' E.,	7.042 chs.
N. 67°52.0' E.,	4.902 chs.
N. 76°43.0' E.,	1.684 chs.

SURVEY OF THE MEANDERS OF THE LEFT BANK OF THE SAN JUAN RIVER,  
THROUGH T. 41 S., R. 20 E., SALT LAKE MERIDIAN, UTAH.

CHAINS

N. 61°00.5' E.,	2.927 chs.
N. 72°07.5' E.,	2.131 chs.
N. 49°12.4' E.,	3.730 chs.
N. 60°41.1' E.,	1.993 chs.
N. 39°05.5' E.,	5.671 chs.
N. 26°19.9' E.,	2.944 chs.
N. 16°24.4' E.,	5.468 chs.
N. 12°58.1' E.,	5.363 chs.
N. 28°39.2' E.,	1.310 chs.
N. 1°30.4' W.,	10.924 chs.
N. 14°42.3' W.,	3.320 chs.
N. 4°53.1' W.,	1.847 chs.
N. 16°03.2' W.,	2.276 chs.
N. 9°25.7' W.,	1.941 chs.
N. 0°48.9' W.,	1.915 chs.
N. 11°34.1' E.,	4.770 chs.
N. 17°27.3' E.,	4.738 chs.
N. 35°06.1' E.,	3.298 chs.
N. 25°07.1' E.,	2.641 chs.
N. 19°28.6' E.,	4.313 chs.
N. 40°08.3' E.,	1.967 chs.
N. 57°45.5' E.,	2.083 chs.
N. 74°59.8' E.,	3.843 chs.
N. 60°10.7' E.,	1.740 chs.
S. 75°01.0' E.,	1.662 chs.
S. 60°46.6' E.,	2.143 chs.
S. 55°53.3' E.,	2.146 chs.
S. 46°07.9' E.,	2.052 chs.

The true point for the meander  
corner of sections 19 and 20.

Thence, in section 20.

S. 44°13.3' E.,	3.696 chs.
S. 31°21.9' E.,	2.943 chs.
S. 38°42.8' E.,	3.663 chs.
S. 28°40.6' E.,	9.207 chs.
S. 39°30.6' E.,	7.275 chs.
S. 15°36.2' E.,	2.086 chs.
S. 43°16.3' E.,	2.090 chs.
S. 17°29.8' E.,	4.531 chs.
S. 25°08.2' E.,	6.602 chs.
S. 11°09.3' E.,	2.363 chs.
S. 27°59.7' E.,	4.149 chs.
S. 21°09.6' E.,	3.921 chs.
S. 31°49.8' E.,	8.605 chs.
S. 22°05.6' E.,	3.855 chs.
S. 28°00.7' E.,	3.473 chs.
S. 8°19.7' E.,	1.895 chs.
S. 2°15.0' E.,	5.222 chs.
S. 5°26.9' E.,	3.690 chs.
S. 3°33.3' W.,	2.049 chs.
S. 32°34.3' W.,	2.320 chs.
S. 46°14.2' W.,	2.135 chs.
S. 60°44.4' W.,	1.777 chs.

The true point for the meander  
corner of sections 20 and 29.

SURVEY OF THE MEANDERS OF THE LEFT BANK OF THE SAN JUAN RIVER,  
 CHAINS THROUGH T. 41 S., R. 20 E., SALT LAKE MERIDIAN, UTAH.

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Thence, in section 29.

S. 61°23.3' W., 8.293 chs.  
 S. 53°24.3' W., 4.261 chs.  
 S. 26°13.4' W., 0.580 chs.  
 S. 46°01.5' W., 3.829 chs.  
 S. 22°00.6' W., 1.928 chs.  
 S. 16°46.8' W., 2.622 chs.  
 S. 4°16.9' W., 1.625 chs.  
 S. 12°04.2' W., 3.435 chs.  
 S. 2°23.8' W., 1.747 chs.  
 S. 15°49.1' E., 3.411 chs.  
 S. 31°09.3' E., 3.351 chs.  
 S. 52°12.6' E., 3.563 chs.  
 S. 65°20.8' E., 2.392 chs.  
 S. 75°12.2' E., 2.675 chs.  
 N. 89°41.3' E., 2.817 chs.  
 N. 81°58.3' E., 2.245 chs.  
 N. 71°43.7' E., 4.839 chs.  
 N. 58°37.1' E., 3.998 chs.  
 N. 44°46.7' E., 4.707 chs.  
 N. 33°26.1' E., 2.500 chs.  
 N. 29°44.1' E., 4.549 chs.  
 N. 14°55.3' E., 2.618 chs.  
 N. 25°07.0' E., 2.385 chs.  
 N. 42°27.2' E., 1.960 chs.  
 N. 83°03.2' E., 2.216 chs.  
 S. 85°50.1' E., 2.314 chs.  
 S. 74°26.3' E., 2.508 chs.  
 S. 58°51.3' E., 2.306 chs.  
 S. 41°39.3' E., 1.797 chs.  
 S. 1°15.3' E., 3.891 chs.  
 S. 13°47.1' W., 4.061 chs.  
 S. 17°56.9' W., 3.639 chs.  
 S. 18°44.5' W., 4.520 chs.  
 S. 3°11.8' E., 5.296 chs.  
 S. 27°19.4' E., 9.229 chs.  
 S. 38°01.6' E., 4.636 chs.  
 S. 48°56.2' E., 5.128 chs.  
 S. 66°55.3' E., 6.205 chs.  
 N. 61°24.6' E., 1.679 chs.  
 S. 89°13.9' E., 1.670 chs.  
 S. 55°32.5' E., 1.319 chs.  
 S. 36°17.3' E., 1.404 chs.  
 S. 85°58.8' E., 2.016 chs.  
 S. 76°30.4' E., 1.454 chs.  
 N. 84°01.1' E., 1.338 chs.

The true point for the meander  
corner of sections 28 and 29.

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Thence, in section 28.

S. 89°39.0' E., 1.900 chs.  
 N. 77°59.4' E., 1.280 chs.

SURVEY OF THE MEANDERS OF THE LEFT BANK OF THE SAN JUAN RIVER,  
 CHAINS THROUGH T. 41 S., R. 20 E., SALT LAKE MERIDIAN, UTAH.

N. 82°50.8' E., 2.520 chs.  
 N. 81°59.1' E., 2.864 chs.  
 N. 82°06.1' E., 2.902 chs.  
 N. 57°32.3' E., 3.122 chs.  
 N. 44°21.0' E., 3.667 chs.  
 N. 46°46.4' E., 5.284 chs.  
 N. 30°58.9' E., 3.442 chs.  
 N. 49°20.4' E., 1.098 chs.  
 N. 15°42.1' E., 1.230 chs.  
 N. 22°36.4' E., 5.581 chs.  
 N. 27°01.0' E., 6.449 chs.  
 N. 16°56.0' E., 8.085 chs.  
 N. 28°23.4' E., 4.460 chs.  
 N. 38°17.6' E., 1.341 chs.  
 N. 59°59.1' E., 2.091 chs.  
 N. 78°30.3' E., 1.443 chs.  
 N. 86°54.1' E., 4.401 chs.  
 N. 74°55.4' E., 3.852 chs.  
 N. 63°58.8' E., 2.537 chs.  
 N. 49°00.8' E., 3.150 chs.  
 N. 30°20.9' E., 2.979 chs.  
 N. 47°35.1' E., 1.537 chs.  
 N. 29°56.1' E., 2.704 chs.  
 N. 0°01.9' W., 4.904 chs.

The true point for the meander  
 corner of sections 21 and 28.

Thence, in section 21.

N. 0°30.4' E., 1.298 chs.  
 N. 5°04.1' E., 5.404 chs.  
 N. 11°55.4' E., 6.271 chs.  
 N. 26°42.5' E., 2.772 chs.  
 N. 40°25.3' E., 5.198 chs.  
 N. 36°37.5' E., 5.187 chs.  
 N. 18°39.3' E., 3.440 chs.  
 N. 12°05.3' E., 2.799 chs.  
 N. 2°51.9' E., 8.006 chs.  
 N. 0°43.8' W., 9.339 chs.  
 N. 14°00.2' E., 3.787 chs.  
 N. 36°17.3' E., 1.804 chs.  
 N. 52°04.6' E., 1.583 chs.  
 N. 40°14.1' E., 4.257 chs.  
 N. 60°56.8' E., 1.171 chs.  
 N. 15°37.3' E., 0.925 chs.  
 N. 29°57.0' E., 3.896 chs.  
 N. 24°54.0' E., 3.565 chs.  
 N. 48°11.1' E., 1.295 chs.  
 N. 2°40.2' W., 2.009 chs.  
 N. 39°35.3' E., 1.389 chs.  
 N. 52°33.4' E., 1.907 chs.  
 S. 84°44.7' E., 0.919 chs.

The true point for the meander  
 corner of sections 21 and 22.

Thence, in section 22.

SURVEY OF THE MEANDERS OF THE LEFT BANK OF THE SAN JUAN RIVER,  
 CHAINS THROUGH T. 41 S., R. 20 E., SALT LAKE MERIDIAN, UTAH.

S. 83°02.1' E., 1.660 chs.  
 S. 65°42.7' E., 0.861 chs.  
 S. 49°41.3' E., 1.929 chs.  
 S. 44°43.8' E., 4.731 chs.  
 S. 29°03.9' E., 1.608 chs.  
 S. 69°33.9' E., 1.700 chs.  
 N. 87°44.9' E., 3.458 chs.  
 N. 51°29.6' E., 2.275 chs.  
 N. 38°11.3' E., 1.958 chs.  
 N. 0°46.9' E., 0.732 chs.  
 N. 25°24.4' E., 3.623 chs.  
 N. 31°50.9' E., 2.216 chs.  
 N. 22°58.7' E., 3.088 chs.  
 N. 31°55.3' E., 2.565 chs.  
 N. 46°07.6' E., 2.701 chs.  
 N. 55°01.9' E., 3.692 chs.

The true point for the meander  
corner of sections 15 and 22.

Thence, in section 15.

N. 60°13.1' E., 1.249 chs.  
 N. 43°14.3' E., 0.735 chs.  
 N. 54°53.6' E., 9.493 chs.  
 N. 85°01.0' E., 4.991 chs.  
 N. 59°07.6' E., 9.449 chs.  
 N. 64°48.4' E., 3.759 chs.  
 N. 68°36.7' E., 9.725 chs.  
 N. 81°09.1' E., 5.533 chs.  
 S. 88°00.5' E., 4.907 chs.  
 S. 80°35.6' E., 4.008 chs.  
 S. 84°09.5' E., 3.070 chs.  
 S. 88°21.2' E., 1.425 chs.

The true point for the meander  
corner of sections 14 and 15.

Thence, in section 14.

S. 85°50.7' E., 2.516 chs.  
 S. 81°57.1' E., 5.486 chs.  
 N. 75°51.7' E., 1.331 chs.  
 S. 75°58.0' E., 2.097 chs.  
 N. 86°33.4' E., 2.786 chs.  
 S. 78°00.0' E., 1.854 chs.  
 N. 88°35.0' E., 4.892 chs.  
 N. 62°57.6' E., 10.727 chs.  
 N. 58°56.3' E., 12.261 chs.  
 N. 61°06.2' E., 7.440 chs.  
 N. 40°35.7' E., 2.127 chs.  
 N. 56°22.0' E., 8.116 chs.  
 N. 68°36.2' E., 3.193 chs.  
 N. 78°30.9' E., 3.002 chs.  
 N. 83°10.4' E., 5.704 chs.  
 N. 78°00.8' E., 1.926 chs.  
 N. 75°44.7' E., 3.184 chs.



SURVEY OF THE MEANDERS OF THE LEFT BANK OF THE SAN JUAN RIVER,  
 CHAINS THROUGH T. 41 S., R. 20 E., SALT LAKE MERIDIAN, UTAH.

N. 70°11.3' E., 4.189 chs.

N. 61°01.7' E., 4.652 chs.

The true point for the meander  
corner of sections 13 and 14.

Thence, in section 13.

N. 61°17.6' E., 6.776 chs.

N. 46°50.7' E., 6.277 chs.

N. 39°27.8' E., 4.477 chs.

N. 6°48.8' E., 3.083 chs.

N. 6°25.2' W., 3.850 chs.

N. 18°24.0' W., 10.139 chs.

N. 1°21.5' W., 4.882 chs.

N. 17°05.8' E., 4.097 chs.

The true point for the meander  
corner of sections 12 and 13.

Thence, in section 12.

N. 26°01.9' E., 4.571 chs.

N. 29°48.2' E., 5.326 chs.

N. 35°23.8' E., 6.395 chs.

N. 50°08.3' E., 2.124 chs.

N. 42°02.5' E., 2.444 chs.

N. 70°32.6' E., 5.177 chs.

N. 62°35.3' E., 3.168 chs.

N. 44°36.2' E., 5.345 chs.

N. 38°05.4' E., 6.930 chs.

N. 59°16.4' E., 1.171 chs.

N. 36°43.7' E., 3.559 chs.

N. 53°19.2' E., 2.946 chs.

N. 43°41.3' E., 2.601 chs.

N. 67°19.7' E., 3.018 chs.

N. 86°33.2' E., 4.892 chs.

S. 76°17.8' E., 1.932 chs.

N. 87°06.3' E., 5.617 chs.

N. 82°00.6' E., 4.036 chs.

N. 72°31.0' E., 5.861 chs.

The true point for the meander  
corner of sections 7 and 12, on the  
left bank of the San Juan River, on  
the east boundary of the township,  
hereinbefore described.

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#### GENERAL DESCRIPTION

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Township 41 South, Range 21 East is divided by The San Juan River, which runs from the east to the southwest through the township. The Navajo Reservation is located south of the river, with private land and BLM administered public lands lying to the north. There are no major settlements within the township. The topography in the eastern portion of the township ranges from fairly level sandy plains with shifting sand dunes, to areas of undulating exposed sandstone bedrock deeply incised by the San Juan River and its tributaries. The topography in the western portion of the township consists of steeply dipping sandstone and limestone bedrock, with the San Juan River forming steep-walled canyons up to 800 feet deep. Chinle Creek flows in from the south, intersecting the San Juan River near the center of the township.

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**FIELD ASSISTANTS**

Name	Capacity
R. Keith Batty	Cadastral Surveyor
Phil Freiberg	Survey Technician
Chris May	Survey Technician
Matt Gillins	Survey Technician
Marcus Buck	Boatman

## CERTIFICATE OF SURVEY

I, **Scott A. Burkhardt, Cadastral Surveyor**, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of **October 20, 2008**, I have **dependently resurveyed a portion of the west boundary of T. 41 S., R. 21 E., and dependently resurveyed a portion of the west boundary of T. 42 S., R. 21 E., and dependently resurveyed a portion of the east and west boundaries, a portion of the subdivisional lines, a portion of the subdivision of sections 11, 12, and 14, and surveyed a portion of the west boundary, and surveyed the south boundary, and surveyed a portion of the subdivisional lines, and surveyed the meanders of the right and left banks of the San Juan River, in Township 41 South, Range 20 East, of the Salt Lake Meridian, in the State of Utah**, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said Special Instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

2/22/2011

Date

Scott A. Burkhardt

Cadastral Surveyor

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Salt Lake City, Utah

The foregoing field notes of the **dependent resurvey of a portion of the west boundary of T. 41 S., R. 21 E., and the dependent resurvey a portion of the west boundary of T. 42 S., R. 21 E., and the dependent resurvey of a portion of the east and west boundaries, a portion of the subdivisional lines, a portion of the subdivision of sections 11, 12, and 14, and the survey of a portion of the west boundary, and the survey of the south boundary, and the survey of a portion of the subdivisional lines, and the survey of the meanders of the right and left banks of the San Juan River, in Township 41 South, Range 20 East, Salt Lake Meridian, Utah**, executed by **Scott A. Burkhardt, Cadastral Surveyor**, having been critically examined and found correct, are hereby approved.

March 4, 2011

Date

Daniel W. Webb

Chief Cadastral Surveyor for Utah